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EXAMINER	
BRANDT, CHRISTOPHER M	
ART UNIT	PAPER NUMBER
2617	

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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

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Office Action Summary	Application No.	Applicant(s)	
	10/769,090	MIU ET AL.	
	Examiner	Art Unit	
	CHRISTOPHER M. BRANDT	2617	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE *3* MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *15 April 2008*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-40* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-40* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *30 January 2004* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application
6) ☐ Other: _____.

DETAILED ACTION

Response to Amendment

This Action is in response to applicant's amendment filed on April 15, 2008. **Claims 1-40** are still currently pending in the present application. **This Action is made FINAL.**

Response to Arguments

Applicant's arguments with respect to claims 1-40 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

The factual inquiries set forth in *Graham* **v.** *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:

1. Determining the scope and contents of the prior art.
2. Ascertaining the differences between the prior art and the claims at issue.
3. Resolving the level of ordinary skill in the pertinent art.
4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

Claims 1, 2, 3, 6, 7, 9-12, 15-18, 20, 25, 26, 29, 30, 32-34, 37, 38, and 40 are rejected under 35 USC 103(a) as being unpatentable over **Rimhagen et al. (US Patent 6,594,245, hereinafter Rimhagen)** in view of **Apostolopoulos et al. (US PGPUB 2003/0009576, hereinafter Apostolopoulos)** and further in view of **Bernhard et al. (US PGPUB 2003/0095552 A1, hereinafter Bernhard)**.

Consider **claim 1**. Rimhagen discloses a method for delivering data, in a wireless system comprising a distributed infrastructure of access points (abstract, figure 1, column 1 lines 9-13) said method comprising:

identifying a plurality of access points to be used cooperatively in combination with each other for transmission of said data to a receiver, wherein cooperative usage of said plurality of access points is maintained for at least some portion of a data transmission period (column 2 lines 6-12, column 4 lines 3-4, 16-35, 43-46, 53-62, read as the network provides data to the mobile stations via multiple base stations when the mobile cannot be served by a single station due to congestion);

enabling the transmission of said data to said server via said plurality of access points, wherein said data is transmitted in a pattern that uses at least two access points during at least some portion of said data transmission period (figures 1 and 4, column 4 lines 53-62, column 5 lines 20-28, lines 54-56, column 6 lines 27-44, read as transmitting data to a mobile station via a

plurality of base stations when a single base station is not capable of sending all of the information on its own);

and determining, during transmission, the bandwidth requirements to enable transmitting at least a portion of said data through a different access point while the transmission is in progress (column 5 lines 14-16, lines 21-27, read as the network analyzes the bandwidth requirements and the network may therefore assign multiple base stations when the bandwidth required for the communication request exceeds the available bandwidth resources of the best serving base station).

Rimhagen discloses the claimed invention except he fails to disclose determining the performance of at least one of said access points being used for the transmission.

However, Apostolopoulos discloses performance of at least one of said access points being used for the transmission (paragraphs 52, 149, read as a mobile client moves away from one base station and towards another base station, the channel quality of the first base station and the second base station decreases and increases, respectively. When in region B, the second station rises above the add-threshold and as a result simultaneous communication between both base stations is established. Also, Apostolopoulos shows that encoding may be done in advance (i.e. predetermined) in which case the pre-computed MD streams are stored on a content server).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Apostolopoulos into the teachings of Rimhagen in order for a mobile client to be able to receive and decode a multiple description bitstream to produce usable quality (paragraph 40).

In addition, Rimhagen and Apostolopoulos fail to explicitly teach wherein data packets of said data comprise timestamps and wherein said performance is based at least on examination of said timestamps.

However, Bernhard teaches wherein data packets of said data comprise timestamps and wherein said performance is based at least on examination of said timestamps (paragraph 59, read as timestamps are used within the data flow in order to maintain a fair scheduling scheme).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Bernhard into the invention of Rimhagen and Apostolopoulos in order to synchronize the data flows between the cells (paragraph 58).

Consider **claim 10**. Rimhagen discloses a method for delivering data utilizing a multiple access point transmission scheme (abstract, figure 1, column 1 lines 9-13), said method comprising:

identifying a plurality of access points to be used cooperatively in combination with each other for transmission of said data to a receiver wherein said cooperative usage of said plurality of access points is maintained for at least some portion of a data transmission period (column 2 lines 6-13, column 4 lines 3-4, 16-35, 43-46, 53-62, read as the network provides data to the mobile stations via multiple base stations when the mobile cannot be served by a single station due to congestion);

delivering a first portion of said data to said receiver via first access point; delivering a second portion of said data to said receiver via a second access point, wherein first portion of said data and said second portion of said data are delivered to said receiver utilizing at least one

predetermined multi-access transmission scheme (figures 1 and 4, column 4 lines 53-62, column 5 lines 20-28, lines 54-56, column 6 lines 27-44, read as transmitting data to a mobile station via a plurality of base stations when a single base station is not capable of sending all of the information on its own); and

determining, during the delivering of said first and second portions, the bandwidth requirements performance of at least one of said access points being used for the delivering of said first and second portions to enable delivering at least a portion of said data through a different access point while the first and second portions are being delivered (column 5 lines 14-16, lines 21-27, read as the network analyzes the bandwidth requirements and the network may therefore assign multiple base stations when the bandwidth required for the communication request exceeds the available bandwidth resources of the best serving base station).

Rimhagen discloses the claimed invention except the determining the performance of at least one of said access points being used for the delivering of said first and second portions.

However, Apostolopoulos discloses determining the performance of at least one of said access points being used for the delivering of said first and second portions (paragraphs 52, 149, read as a mobile client moves away from one base station and towards another base station, the channel quality of the first base station and the second base station decreases and increases, respectively. When in region B, the second station rises above the add-threshold and as a result simultaneous communication between both base stations is established. Also, Apostolopoulos shows that encoding may be done in advance (i.e. predetermined) in which case the pre-computed MD streams are stored on a content server).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Apostolopoulos into the teachings of Rimhagen in order for a mobile client to be able to receive and decode a multiple description bitstream to produce usable quality (paragraph 40).

In addition, Rimhagen and Apostolopoulos fail to explicitly teach wherein data packets of said data comprise timestamps and wherein said performance is based at least on examination of said timestamps.

However, Bernhard teaches wherein data packets of said data comprise timestamps and wherein said performance is based at least on examination of said timestamps (paragraph 59, read as timestamps are used within the data flow in order to maintain a fair scheduling scheme).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Bernhard into the invention of Rimhagen and Apostolopoulos in order to synchronize the data flows between the cells (paragraph 58).

Consider **claim 16**. Rimhagen discloses a system for data delivery in a wireless system comprising a distributed infrastructure of access points (abstract, column 1 lines 9-13), said system comprising:

an access point identifier that identifies a plurality of access points to be used cooperatively in combination with each other for the transmission of said data from a sender to a receiver wherein said cooperative usage of said plurality of access points is maintained for at least some portion of a data transmission period (column 2 lines 6-13, column 4 lines 3-4, 16-35,

43-46, 53-62, read as the network provides data to the mobile stations via multiple base stations when the mobile cannot be served by a single station due to congestion);

a multiple-access point data transmission enabler communicatively coupled to said access point identifier, said multi-access point data transmission enabler enabling the transmission of said data receiver via said plurality of access points by utilizing at least one multi-access point transmission scheme that uses at least two access points during at least some portion of said data transmission period (figures 1 and 4, column 4 lines 53-62, column 5 lines 20-28, lines 54-56, column 6 lines 27-44, read as transmitting data to a mobile station via a plurality of base stations when a single base station is not capable of sending all of the information on its own); and wherein said multi-access point data transmission enabler determines, during the transmission the bandwidth requirements to enable transmitting at least a portion of said data through a different access point while the transmission is in progress (column 5 lines 14-16, lines 21-27, read as the network analyzes the bandwidth requirements and the network may therefore assign multiple base stations when the bandwidth required for the communication request exceeds the available bandwidth resources of the best serving base station).

Rimhagen discloses the claimed invention except he fails to disclose determining the performance of at least one of said access points being used for the transmission.

However, Apostolopoulos discloses performance of at least one of said access points being used for the transmission (paragraphs 52, 149, read as a mobile client moves away from one base station and towards another base station, the channel quality of the first base station and the second base station decreases and increases, respectively. When in region B, the second station rises above the add-threshold and as a result simultaneous communication between both

base stations is established. Also, Apostolopoulos shows that encoding may be done in advance (i.e. predetermined) in which case the pre-computed MD streams are stored on a content server).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Apostolopoulos into the teachings of Rimhagen in order for a mobile client to be able to receive and decode a multiple description bitstream to produce usable quality (paragraph 40).

In addition, Rimhagen and Apostolopoulos fail to explicitly teach wherein data packets of said data comprise timestamps and wherein said performance is based at least on examination of said timestamps.

However, Bernhard teaches wherein data packets of said data comprise timestamps and wherein said performance is based at least on examination of said timestamps (paragraph 59, read as timestamps are used within the data flow in order to maintain a fair scheduling scheme).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Bernhard into the invention of Rimhagen and Apostolopoulos in order to synchronize the data flows between the cells (paragraph 58).

Consider **claim 25**. Rimhagen discloses a computer usable medium having computer usable code (abstract, figure 1 column 1 lines 9-13), embodied therein for causing a computer to perform operation comprising:

identifying a plurality of access points to be used cooperatively in combination with each other for transmission of said data to a receiver, wherein cooperative usage of said plurality of access points is maintained for at least some portion of a data transmission period (column 2

lines 6-12, column 4 lines 3-4, 16-35, 43-46, 53-62, read as the network provides data to the mobile stations via multiple base stations when the mobile cannot be served by a single station due to congestion);

enabling the transmission of said data to said server via said plurality of access points, wherein said data is transmitted in a pattern that uses at least two access points during at least some portion of said data transmission period (figures 1 and 4, column 4 lines 53-62, column 5 lines 20-28, lines 54-56, column 6 lines 27-44, read as transmitting data to a mobile station via a plurality of base stations when a single base station is not capable of sending all of the information on its own);

and determining, during transmission, the bandwidth requirements to enable transmitting at least a portion of said data through a different access point while the transmission is in progress (column 5 lines 14-16, lines 21-27, read as the network analyzes the bandwidth requirements and the network may therefore assign multiple base stations when the bandwidth required for the communication request exceeds the available bandwidth resources of the best serving base station).

Rimhagen discloses the claimed invention except he fails to disclose determining the performance of at least one of said access points being used for the transmission and that this transmission is predetermined.

However, Apostolopoulos discloses performance of at least one of said access points being used for the transmission and that this transmission is predetermined (paragraphs 52, 149, read as a mobile client moves away from one base station and towards another base station, the channel quality of the first base station and the second base station decreases and increases,

respectively. When in region B, the second station rises above the add-threshold and as a result simultaneous communication between both base stations is established. Also, Apostolopoulos shows that encoding may be done in advance (i.e. predetermined) in which case the pre-computed MD streams are stored on a content server).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Apostolopoulos into the teachings of Rimhagen in order for a mobile client to be able to receive and decode a multiple description bitstream to produce usable quality (paragraph 40).

In addition, Rimhagen and Apostolopoulos fail to explicitly teach wherein data packets of said data comprise timestamps and wherein said performance is based at least on examination of said timestamps.

However, Bernhard teaches wherein data packets of said data comprise timestamps and wherein said performance is based at least on examination of said timestamps (paragraph 59, read as timestamps are used within the data flow in order to maintain a fair scheduling scheme).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Bernhard into the invention of Rimhagen and Apostolopoulos in order to synchronize the data flows between the cells (paragraph 58).

Consider **claim 33**. Rimhagen discloses a method for delivering data, in a wireless system comprising a distributed infrastructure of access points (abstract, figure 1, column 1 lines 9-13), said method comprising:

identifying a plurality of access points to be used cooperatively in combination with each other for transmission of said data to a receiver (column 2 lines 6-12, column 4 lines 3-4, 16-35, 43-46, 53-62, read as the network provides data to the mobile stations via multiple base stations when the mobile cannot be served by a single station due to congestion);

enabling the transmission of said data to said receiver via said plurality of access points utilizing at least one multi-access point transmission scheme (figures 1 and 4, column 4 lines 53-62, column 5 lines 20-28, lines 54-56, column 6 lines 27-44, read as transmitting data to a mobile station via a plurality of base stations when a single base station is not capable of sending all of the information on its own);

and determining, during transmission, the bandwidth requirements to enable transmitting at least a portion of said data through a different access point while the transmission is in progress (column 5 lines 14-16, lines 21-27, read as the network analyzes the bandwidth requirements and the network may therefore assign multiple base stations when the bandwidth required for the communication request exceeds the available bandwidth resources of the best serving base station).

Rimhagen discloses the claimed invention except he fails to disclose determining the performance of at least one of said access points being used for the transmission.

However, Apostolopoulos discloses performance of at least one of said access points being used for the transmission (paragraphs 52, 149, read as a mobile client moves away from one base station and towards another base station, the channel quality of the first base station and the second base station decreases and increases, respectively. When in region B, the second station rises above the add-threshold and as a result simultaneous communication between both

base stations is established. Also, Apostolopoulos shows that encoding may be done in advance (i.e. predetermined) in which case the pre-computed MD streams are stored on a content server).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Apostolopoulos into the teachings of Rimhagen in order for a mobile client to be able to receive and decode a multiple description bitstream to produce usable quality (paragraph 40).

In addition, Rimhagen and Apostolopoulos fail to explicitly teach wherein data packets of said data comprise timestamps and wherein said performance is based at least on examination of said timestamps.

However, Bernhard teaches wherein data packets of said data comprise timestamps and wherein said performance is based at least on examination of said timestamps (paragraph 59, read as timestamps are used within the data flow in order to maintain a fair scheduling scheme).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Bernhard into the invention of Rimhagen and Apostolopoulos in order to synchronize the data flows between the cells (paragraph 58).

Consider **claims 2 and as applied to claims 1**. Rimhagen and Apostolopoulos disclose wherein said pattern is selected from a group of predetermined transmission patterns (Rimhagen; abstract, figures 2 and 4, column 2 lines 6-15, column 4 lines 53-62, column 5 lines 20-28, 54-56, column 6 lines 27-44).

Consider **claims 3, 26, and 34 and as applied to claims 1, 25, and 33, respectively**. Rimhagen and Apostolopoulos disclose wherein said pattern is a split-balanced transmission

pattern (Rimhagen; abstract, figures 2 and 4, column 2 lines 6-15, column 4 lines 53-62, column 5 lines 20-28, 54-56, column 6 lines 27-44).

Consider **claims 6, 15, 29, and 37 and as applied to claims 1, 10, 25 and 33, respectively**. Rimhagen and Apostolopoulos disclose wherein respective access points of said plurality of access points operate cooperatively and in combination by transmitting different portions of said data in an alternating manner (Rimhagen; abstract, figures 2 and 4, column 2 lines 6-15, column 4 lines 53-62, column 5 lines 20-28, 54-56, column 6 lines 27-44).

Consider **claims 7, 12, 30, and 38 and as applied to claims 1, 11, 25 and 33, respectively**. Rimhagen and Apostolopoulos disclose wherein respective access points of said plurality of access points operate cooperatively and in combination by facilitating the transmission of a majority of said data over a first access point and the transmission of a remainder of said data over a second access point (Rimhagen; abstract, figures 2 and 4, column 2 lines 6-15, column 4 lines 53-62, column 5 lines 20-28, 54-56, column 6 lines 27-44).

Consider **claims 9, 32, and 40 and as applied to claims 1, 25 and 33, respectively**. Rimhagen and Apostolopoulos disclose wherein said pattern is selected based upon information from the group consisting of various predetermined patterns, measurements from a variety of sources, and the content of said data to be transmitted (Rimhagen; column 3 lines 52-62, Apostolopoulos; paragraphs 52, 149).

Consider **claim 11 and as applied to claim 10**. Rimhagen and Apostolopoulos disclose wherein said multi-access point transmission scheme comprises a split-balanced transmission scheme wherein data portions are evenly balanced across said plurality of access points

(Rimhagen; abstract, figures 2 and 4, column 2 lines 6-15, column 4 lines 53-62, column 5 lines 20-28, 54-56, column 6 lines 27-44).

Consider **claim 17 and as applied to claim 16**. Rimhagen and Apostolopoulos disclose a measurement subsystem coupled to said multi-access point data transmission enabler, said measurement sub-system providing measurements that are used by said multi-access point data transmission enabler to determine data packet allocations across said plurality of access points (Rimhagen; column 2 lines 6-12, column 6 lines 27-44, column 7 line 37 – column 8 line 8).

Consider **claim 18 and as applied to claim 17**. Rimhagen and Apostolopoulos disclose a data packet relaying component coupled to said multi-access point data transmission enabler, said data packet relaying component for relaying data packets to said receiver that are transmitted to said data packet relaying component from said sender (Rimhagen; abstract, figures 2 and 4, column 2 lines 6-15, column 4 lines 53-62, column 5 lines 20-28, 54-56, column 6 lines 27-44, column 7 line 37 – column 8 line 8).

Consider **claim 20 and as applied to claim 18**. Rimhagen and Apostolopoulos disclose wherein said access point identifier, said multi-access point data transmission enabler, said measurement sub-system, and said data packet relaying component are not all resident at the same system nodes (Rimhagen; abstract, figures 2 and 4, column 2 lines 6-15, column 4 lines 53-62, column 5 lines 20-28, 54-56, column 6 lines 27-44).

Claims 4, 5, 13, 14, 19, 21, 22, 23, 24, 27, 28, 31, 35, 36, and 39 are rejected under 35 USC 103(a) as being unpatentable over **Rimhagen et al. (US Patent 6,594,245, hereinafter Rimhagen)** in view of **Apostolopoulos et al. (US PGPUB 2003/0009576, hereinafter**

Apostolopoulos) in view of **Bernhard et al. (US PGPUB 2003/0095552 A1, hereinafter Bernhard)** and further in view of **Nakamichi et al. (US PGPUB 2002/0085498, hereinafter Nakamichi)**.

Consider **claims 4, 27, 35, and as applied to claims 1, 25, and 33, respectively**. Rimhagen and Apostolopoulos disclose the claimed invention except they fail to explicitly disclose the pattern is a site selection transmission pattern.

Nakamichi discloses a site selection transmission pattern (paragraphs 10, 11, 15, 16, 17, 41, 50, and 147, read as the access points in the network adjust the way data is transmitted based on feedback obtained from monitoring the traffic congestion of the access points).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Nakamichi into the teachings of Rimhagen and Apostolopoulos to enable dynamic load balancing in the network (paragraphs 10 and 11).

Consider **claims 5, 14, 28, and 36 and as applied to claims 1, 12, 25, and 33, respectively**. Rimhagen and Apostolopoulos disclose the claimed invention except they fail to explicitly disclose wherein said pattern is a combination of a split-balanced transmission pattern and a site selection transmission pattern.

Nakamichi discloses wherein said pattern is a combination of a split-balanced transmission pattern and a site selection transmission pattern (paragraphs 10, 11, 15, 16, 17, 41, 50, and 147, read as the access points in the network adjust the way data is transmitted based on feedback obtained from monitoring the traffic congestion of the access points).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Nakamichi into the teachings of Rimhagen and Apostolopoulos to enable dynamic load balancing in the network (paragraphs 10 and 11).

Consider **claims 8, 13, 31, and 39 and as applied to claims 7, 12, 30, and 38, respectively**. Rimhagen and Apostolopoulos disclose the claimed invention except they fail to explicitly disclose wherein said remainder of said data is used to gather information related to said second access point.

Nakamichi discloses wherein said remainder of said data is used to gather information related to said second access point (paragraphs 10, 11, 15, 16, 17, 41, 50, and 147, read as the access points in the network adjust the way data is transmitted based on feedback obtained from monitoring the traffic congestion of the access points).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Nakamichi into the teachings of Rimhagen and Apostolopoulos to enable dynamic load balancing in the network (paragraphs 10 and 11).

Consider **claim 19 and as applied to claim 18**. Rimhagen and Apostolopoulos disclose the claimed invention except they fail to explicitly disclose wherein said access point identifier, said multi-access point data transmission enabler, said measurement sub-system, and said data packet relaying component are all resident at the same system node.

Nakamichi discloses wherein said access point identifier, said multi-access point data transmission enabler, said measurement sub-system, and said data packet relaying component are all resident at the same system node (figure 2, paragraphs 35, 53, 55, 57).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Nakamichi into the teachings of Rimhagen and Apostolopoulos to decrease delays (paragraph 10).

Consider **claim 21 and as applied to claim 18**. Rimhagen and Apostolopoulos disclose the claimed invention except they fail to explicitly disclose wherein said access point identifier and said multi-access point data transmission enabler are resident at said receiver.

Nakamichi discloses wherein said access point identifier and said multi-access point data transmission enabler are resident at said receiver (figure 2, paragraphs 35, 53).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Nakamichi into the teachings of Rimhagen and Apostolopoulos to decrease delays (paragraph 10).

Consider **claim 22 and as applied to claim 18**. Rimhagen and Apostolopoulos disclose the claimed invention except they fail to explicitly disclose wherein said access point identifier and said multi-access point data transmission enabler are resident at said sender.

Nakamichi discloses wherein said access point identifier and said multi-access point data transmission enabler are resident at said sender (figure 2, paragraphs 35, 53).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Nakamichi into the teachings of Rimhagen and Apostolopoulos to decrease delays (paragraph 10).

Consider **claim 23 and as applied to claim 18**. Rimhagen and Apostolopoulos disclose the claimed invention except they fail to explicitly disclose wherein said access point identifier and said multi-access point data transmission enabler are resident at least one intermediate system node.

Nakamichi discloses wherein said access point identifier and said multi-access point data transmission enabler are resident at least one intermediate system node (figure 2, paragraphs 35, 53).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Nakamichi into the teachings of Rimhagen and Apostolopoulos to decrease delays (paragraph 10).

Consider **claim 24 and as applied to claim 18**. Rimhagen and Apostolopoulos disclose the claimed invention except they fail to explicitly disclose wherein said access point identifier and said multi-access point data transmission enabler are located at least one of said plurality of access points.

Nakamichi discloses wherein said access point identifier and said multi-access point data transmission enabler are located at least one of said plurality of access points (figure 2, paragraphs 35, 53).

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have incorporated the teachings of Nakamichi into the teachings of Rimhagen and Apostolopoulos to decrease delays (paragraph 10).

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any response to this Office Action should be **faxed to** (571) 273-8300 **or mailed to:**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Hand-delivered responses should be brought to

Customer Service Window
Randolph Building
401 Dulany Street

Alexandria, VA 22314

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher M. Brandt whose telephone number is (571) 270-1098. The examiner can normally be reached on 7:30a.m. to 5p.m..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, George Eng can be reached on (571) 272-7495. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-2600.

/George Eng/
Supervisory Patent Examiner, Art Unit 2617

Christopher M. Brandt
C.M.B./cmb
July 5, 2008